

Application No. 09/686,621
Amendment filed May 26, 2004
Reply to Office Action dated January 26, 2004

Attorney Docket No. 027557-063
Page 3 of 14

Listing of Claims

A listing of claims is provided below for the Examiner's convenience. No amendments have been made to the claims in this response.

Claim 1 (original): A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising: monitoring a temperature which has a direct effect on the comfort of a user of the transceiver; and controlling a number of slots allocated for transmissions from said transceiver in response to the monitored temperature.

Claim 2 (original): A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising: monitoring a temperature which has a direct effect on the comfort of a user of the transceiver; and controlling a number of slots allocated for receiving transmissions in said transmitter in response to the monitored temperature.

Claim 3 (previously presented): A method as claimed in claim 1, wherein the transceiver forms part of a mobile communications device, and the temperature is a temperature of a casing of the device.

Claim 4 (previously presented): A method as claimed in claim 1, wherein the transceiver forms part of a mobile communications device, and the temperature is a temperature of a display of the device.

Claim 5 (previously presented): A method as claimed in claim 1, wherein the transceiver forms part of a mobile battery-powered communications device, and the temperature is a temperature of the battery of the device.

Application No. 09/686,621
Amendment filed May 26, 2004
Reply to Office Action dated January 26, 2004

Attorney Docket No. 027557-063
Page 4 of 14

Claim 6 (previously presented): A method as claimed in claim 1, wherein the number of allocated slots is controlled by sending a message to the radiocommunication system.

Claim 7 (original): A radiocommunications device comprising a radio transceiver operable in a radiocommunication system defining a plurality of time slots, the device comprising:

a temperature sensor for monitoring a temperature which has a direct effect on the comfort of a user of the device; and

a controller for controlling a number of slots allocated for transmissions from said transceiver in response to the monitored temperature.

Claim 8 (original): A radiocommunications device comprising a radio transceiver operable in a radiocommunication system defining a plurality of time slots, the device comprising:

a temperature sensor for monitoring a temperature which has a direct effect on the comfort of a user of the device; and

a controller for controlling a number of slots allocated for receiving transmissions in said transceiver in response to the monitored temperature.

Claim 9 (original): A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising:

monitoring a temperature within the transceiver;

controlling the internal operation of the transceiver in response to the measured temperature; and

also controlling a number of slots allocated for transmissions from said transceiver in response to the same monitored temperature.

Claim 10 (original): A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising:

monitoring a temperature within the transceiver;

Application No. 09/686,621
Amendment filed May 26, 2004
Reply to Office Action dated January 26, 2004

Attorney Docket No. 027557-063
Page 5 of 14

.controlling the internal operation of the transceiver in response to the measured temperature; and
also controlling a number of slots allocated for receiving transmissions in said transceiver in response to the same monitored temperature.

Claim 11 (previously presented): A method as claimed in claim 9, wherein the transceiver forms part of a mobile communications device, and the temperature is a temperature of a crystal oscillator within the device, and is used to compensate for variations in the performance thereof.

Claim 12 (previously presented): A method as claimed in claim 9, wherein the transceiver forms part of a mobile communications device, and the temperature is a temperature of a display of the device, and is used to control said display.

Claim 13 (original): A radiocommunications device comprising a radio transceiver operable in a radiocommunication system defining a plurality of time slots, the device comprising:

a single temperature sensor for monitoring a temperature within the device;
and
at least one controller for controlling the internal operation of the device and a number of slots allocated for transmissions from said transceiver in response to the same monitored temperature.

Claim 14 (original): A radiocommunications device comprising a radio transceiver operable in a radiocommunication system defining a plurality of time slots, the device comprising:

a single temperature sensor for monitoring a temperature within the device;
and
at least one controller for controlling the internal operation of the device and a number of slots allocated for receiving transmissions in said transceiver in response to the same monitored temperature.

Application No. 09/686,621
Amendment filed May 26, 2004
Reply to Office Action dated January 26, 2004

Attorney Docket No. 027557-063
Page 6 of 14

Claim 15 (original): A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising:
monitoring a battery capacity of the transceiver; and
controlling a number of slots allocated for transmissions from said transceiver in response to the monitored battery capacity.

Claim 16 (original): A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising:
monitoring a battery capacity of the transceiver; and
controlling a number of slots allocated for receiving transmissions in said transceiver in response to the monitored battery capacity.

Claim 17 (previously presented): A method as claimed in claim 15, wherein the battery capacity is measured directly.

Claim 18 (previously presented): A method as claimed in claim 15, wherein the battery capacity is estimated indirectly.

Claim 19 (original): A method as claimed in claim 18, wherein the battery capacity is estimated on the basis of a measure of past use.

Claim 20 (original): A method as claimed in claim 18, wherein the battery capacity is estimated on the basis of a measured temperature thereof.

Claim 21 (original): A method as claimed in claim 19, wherein the measure of past use is the number of time slots in which the transceiver has transmitted data.

Claim 22 (original): A method as claimed in claim 19, wherein the measure of past use is the past current consumption of at least a part of the transceiver.

Application No. 09/686,621
Amendment filed May 26, 2004
Reply to Office Action dated January 26, 2004

Attorney Docket No. 027557-063
Page 7 of 14

Claim 23 (original): A radiocommunications device comprising a radio transceiver operable in a radiocommunication system defining a plurality of time slots, the device comprising:
means for determining a battery capacity of the device; and
at least one controller for controlling a number of slots allocated for transmissions from said transceiver in response to the determined battery capacity.

Claim 24 (original): A radiocommunications device comprising a radio transceiver operable in a radiocommunication system defining a plurality of time slots, the device comprising:
means for determining a battery capacity of the device; and
at least one controller for controlling a number of slots allocated for receiving transmissions in said transceiver in response to the determined battery capacity.

Claim 25 (original): A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising:
controlling a number of slots allocated for transmissions from said transceiver based on a mode of operation of said transceiver.

Claim 26 (original): A method of operating a radio transceiver operating in a radiocommunication system defining a plurality of time slots, the method comprising:
controlling a number of slots allocated for receiving transmissions in said transceiver based on a mode of operation of said transceiver.

Claim 27 (previously presented): A method as claimed in claim 25, wherein an upper limit is placed on the number of slots allocated for said transmissions when the transceiver is operating with a loudspeaker.

Claim 28 (previously presented): A method as claimed in claim 25, wherein an upper limit is placed on the number of slots allocated for said transmissions when the transceiver is operating in a radio frequency simplex system.

Application No. 09/686,621
Amendment filed May 26, 2004
Reply to Office Action dated January 26, 2004

Attorney Docket No. 027557-063
Page 8 of 14

Claim 29 (previously presented): A method as claimed in claim 25, comprising detecting a mode of operation of said transceiver by means of a proximity switch located on said transceiver.

Claim 30 (original): A method as claimed in claim 29, wherein said proximity switch detects whether said transceiver is operating in handheld or handsfree mode.

Claim 31 (previously presented): A method as claimed in claim 25, wherein an upper limit is placed on the number of slots allocated for said transmissions when the transceiver is transmitting at high power.